

What is claimed is:

- 5 1. An element comprising a solid carrier and a
group of nucleotide derivatives or their analogues which
are fixed to the solid carrier, in which the element is
covered with a zero-valent metal film and the nucleotide
derivative or the analogue is fixed onto the solid car-
rier via an alkylene chain which is directly attached to
10 the metal film.
2. The element of claim 1, wherein the zero-valent
metal film is a silver film or a copper film.
- 15 3. An element comprising a solid carrier and a
group of nucleotide derivatives or their analogues which
are fixed to the solid carrier, wherein the element is
covered with a zero-valent metal film and the nucleotide
derivative or the analogue is fixed onto the metal film
20 by reaction between an alkyne group attached to one ter-
minal of the nucleotide derivative or the analogue and
the metal film.
4. The element of claim 3, wherein the zero-valent
25 metal film is a silver film or a copper film.
5. The element of claim 3, wherein the alkyne
group is attached to the terminal of the nucleotide de-
rivative or the analogue via a linking group.
- 30 6. The element of claim 3, wherein the alkyne
group is derived from one selected from the group con-
sisting of acetylene, methylacetylene, 1-butyne, 1-
pentyne, 1-hexyne, 1-heptyne, 1-octyne, 1-nonyne, and 1-
35 decyne.

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7. A method of bringing a group of nucleotide derivatives or their analogues having an alkyne group at one terminal thereof into contact with a zero-valent metal film placed on a solid carrier in a liquid phase,
5 to fix the nucleotide derivatives or the analogues onto the metal film via the terminal.